

ABSTRACT OF THE DISCLOSURE

Systems and methods are provided for configuring an optoelectronic device so as to control various operating conditions at various temperatures. The method includes operating the optoelectronic device at a first temperature, adjusting a first control parameter of the optoelectronic device to satisfy a first operating requirement and recording an associated first value of the first control parameter. Further, the method includes operating the optoelectronic device at a second temperature, adjusting the first control parameter of the optoelectronic device to satisfy the first operating requirement, and recording an associated second value of the first control parameter. From the first and second recorded values of the first control parameter, a sequence of values for the first control parameter for a corresponding sequence of temperatures in a predefined range of temperatures is determined and stored in a programmable device within the device. In addition, one or more control parameters may be adjusted at each temperature to satisfy one or more operating requirements.

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